

ABSTRACT

A cutting portion structure of a core drill which uses diamond grains efficiently and shows high cutting performance without deformation of a tip end portion of a cutting blade after a long-time use is disclosed. A core drill A comprises cutting blades 2 formed at an opening end portion 4 of a cylindrical core body 1 and arranged in a circumferential direction of the core body to have gaps 3 between the cutting blades 2. As viewed from a direction substantially perpendicular to a cross-sectional view in a radial direction of the core body 1, the opening end portion 4 has an end face 4A which is rounded without edges, and diamond grains are bound on the opening end portion 4 which is rounded without edges from an inner peripheral side to an outer peripheral side, thereby forming the cutting blades 2.